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PTO/SB/O&A (10-96)

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Patent and Trademark Office: U.S./DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Complete if Known		
			Application Number	Not Yet Known	
			Filing Date	November 18, 2003	
			First Named Inventor	Randell Werneth	
			Group Art Unit	3739	
			Examiner Name	Not Yet Known	
Sheet	1	of	19	Attorney Docket Number	039003

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publications of Cited document MM-DD-YYYY	Pages, Column, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
RD	AA	2,308,484		Auzin, et al.	01/19/1943	
	AB	2,374,609		McCollum	04/24/1945	
	AC	2,615,686		Davidson	10/28/1982	
	AD	2,672,032		Towse	03/16/1954	
	AE	2,913,009		Kuthe	11/17/1959	
	AF	3,298,371		A.S.J. Lee	01/17/1967	
	AG	3,425,419		A.A. Dato	02/04/1969	
	AH	3,504,674		Swenson, et al.	04/07/1970	
	AI	3,865,116		Brooks	02/11/1975	
	AJ	3,888,259		Miley	06/10/1975	
	AK	3,971,383		Van Gerven	07/27/1976	
	AL	4,038,519		Foucras	07/26/1977	
	AM	4,153,048		Magrini	05/18/1979	
	AN	4,190,033		Foti	02/26/1980	
	AO	4,231,425		Engstrom	11/04/1980	
	AP	4,275,734		Mitchiner	06/30/1981	
	AQ	4,298,006		Parks	11/03/1981	
	AR	4,318,722		Altman	03/09/1982	
	AS	4,427,009		Wells, et al.	01/24/1984	
	AT	4,445,500		Osterholm	05/01/1984	
	AU	4,483,341		Witteles	11/20/1984	
	AV	4,502,286		Okada, et al.	03/05/1985	
	AW	4,569,355		Bitterly	02/11/1986	
	AX	4,581,017		Sahota	04/08/1986	
	AY	4,655,746		Daniels, et al.	04/07/1987	
	AZ	4,672,962		Hershenson	06/16/1987	
	BA	4,748,979		Hershenson	06/07/1988	
	BB	4,750,493		Brader	06/14/1988	
	BC	4,762,130		Fogarty, et al.	08/09/1988	
	BF	4,860,744		Johnson, et al.	08/29/1989	
	BG	4,883,455		Leonard	11/28/1989	
	BH	4,894,164		Polaschegg	01/16/1990	

Examiner Signature	<i>Roy D. Gibson</i>	Date Considered	2/16/05
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			Filing Date	November 18, 2003	
			First Named Inventor	Randell Werneth	
			Group Art Unit	3739	
			Examiner Name	Not Yet Known	
Sheet	2	of	19	Attorney Docket Number	039003

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		Number	Kind Code <sup>2</sup> (if known)			
AW	BI	4,904,237		Janese	02/27/1990	
	BJ	4,920,963		Brader	05/01/1990	
	BK	4,964,409		Tremulis	10/23/1990	
	BM	5,014,695		Benak, et al.	05/14/1991	
	BN	5,018,521		Campbell	95/28/1991	
	BO	5,019,075		Spears, et al.	05/28/1991	
	BP	5,041,089		Mueller, et al.	08/20/1991	
	BQ	5,078,713		Varney	01/07/1992	
	BR	5,092,841		Spears	03/03/1992	
	BS	5,106,360		Ishwara, et al.	04/21/1992	
	BT	5,108,390		Potocky et al.	04/28/1992	
	BU	5,110,721		Anaise, et al.	05/05/1992	
	BV	5,117,822		Laghi	06/02/1992	
	BW	5,147,355		Friedman et al.	09/15/1992	
	BX	5,149,321		Klatz, et al.	09/22/1992	
	BY	5,150,706		Cox, et al.	09/29/1992	
	BZ	5,151,100		Abele, et al.	09/29/1992	
	CA	5,190,539		Fletcher, et al.	03/02/1993	
	CB	5,191,883		Lennox, et al.	03/09/1993	
	CC	5,196,024		Barath	03/23/1993	
	CD	5,211,631		Sheaff	05/18/1993	
	CE	5,234,405		Klatz, et al.	08/10/1993	
	CF	5,248,312		Langberg	09/28/1993	
	CG	5,250,070		Parodi	10/05/1993	
	CH	5,257,977		Eshel	11/02/1993	
	CI	5,264,260		Saab	11/23/1993	
	CJ	5,269,369		Faghri	12/14/1993	
	CK	5,269,749		Koturov	12/14/1993	
	CL	5,269,758		Taheri	12/14/1993	
	CM	5,281,213		Milder et al.	01/25/1994	
	CN	5,281,215		Milder	01/25/1994	
✓	CP	5,310,440		Zingher	05/10/1994	

Examiner Signature	<i>Rory D. Gibson</i>	Date Considered	2/16/05
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		First Named Inventor	Randell Werneth
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		Examiner Name	Not Yet Known
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		Attorney Docket Number	039003

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R/S	CQ	5,334,193		Nardella	08/02/1994	
	CR	5,342,301		Saab	08/30/1994	
	CT	5,344,436		Fontenot, et al.	09/06/1994	
	CV	5,365,750		Greenthal	11/22/1994	
	CW	5,368,591		Lennox, et al.	11/29/1994	
	CX	5,383,918		Panetta	01/24/1995	
	CY	5,395,314		Klatz, et al.	03/07/1995	
	CZ	5,395,331		O'Neill, et al.	03/07/1995	
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	DB	5,417,686		Peterson, et al.	05/23/1995	
	DC	5,423,745		Todd, et al.	06/13/1995	
	DD	5,423,807		Milder	06/13/1995	
	DE	5,433,740		Yamaguchi	07/18/1995	
	DF	5,437,673		Baust, et al.	08/01/1995	
	DH	5,462,521		Brucker, et al.	10/31/1995	
	DI	5,486,204		Clifton	01/23/1996	
	DJ	5,486,208		Ginsburg	01/23/1996	
	DL	5,531,776		Ward, et al.	07/02/1996	
	DM	5,558,644		Boyd, et al.	09/24/1996	
	DO	5,573,532		Chang, et al.	11/12/1996	
	DP	5,584,804		Klatz, et al.	12/17/1996	
	DQ	5,588,438		McKown, et al.	12/31/1996	
	DR	5,591,162		Fletcher, et al.	01/07/1997	
	DS	5,620,480		Rudie	04/15/1997	
	DT	5,624,392		Saab	04/29/1997	
	DU	5,643,197		Brucker, et al.	07/01/1997	
	DV	5,957,963		Dobak, III	09/28/1999	
	DW	5,647,051		Neer	07/08/1997	
	DX	5,713,941		Robins, et al.	02/03/1998	
	DY	5,716,386		Ward, et al.	02/10/1998	
	DZ	5,735,809		Gorsuch	04/07/1998	
✓	EA	5,797,878		Bleam	08/25/1998	

Examiner Signature	<i>Roy D. Gibson</i>	Date Considered	2/16/05
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			Filing Date	November 18, 2003	
			First Named Inventor	Randell Werneth	
			Group Art Unit	3739	
			Examiner Name	Not Yet Known	
Sheet	4	of	19	Attorney Docket Number	039003

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		Number	Kind Code <sup>2</sup> (if known)			
RW	EB	5,800,480		Augustine, et al.	09/01/1998	
	EC	5,807,391		Wijkamp	09/15/1998	
	ED	5,824,030		Yang, et al.	10/20/1998	
	EE	5,827,222		Klatz, et al.	10/27/1998	
	EF	5,827,237		Macoviak, et al.	10/27/1998	
	EG	5,833,671		Macoviak, et al.	11/10/1998	
	EH	5,837,003		Ginsburg	11/17/1998	
	EI	5,871,526		Gibbs, et al.	02/16/1999	
	EJ	5,873,835		Hastings, et al.	02/23/1999	
	EK	5,879,329		Ginsburg	03/09/1999	
	EL	5,899,899		Arless, et al.	05/04/1999	
	EM	5,902,268		Saab	05/11/1999	
	EN	5,913,885		Klatz, et al.	06/22/1999	
	EO	5,913,886		Soloman	06/22/1999	
	EP	5,916,242		Schwartz	06/29/1999	
	EQ	5,989,238		Ginsburg	11/23/1999	
	ER	6,019,783		Philips et al.	02/01/2000	
	ES	6,033,383		Ginsburg	03/07/2000	
	ET	6,042,559		Dobak, III	03/28/2000	
	EU	6,051,019		Dobak, III	04/18/2000	
	EV	6,096,068		Dobak, III, et al.	08/01/2000	
	EW	6,110,168		Ginsburg	08/29/2000	
✓	EX	6,126,684		Ginsburg, et al.	10/03/2000	

FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publications of Cited document MM-DD-YYYY	Pages, Column, Lines, Where Relevant Passages or Relevant Figures Appear
		Office <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			
	EU		0 664 990	EPO	11/19/1997	
	EV		2 447 406	France	03/06/1980	
	EW		EP0655225 A1	Europe	05/31/1993	
	EX		SU 806 029	Russia	02/23/1981	

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		Office <sup>4</sup>	Number <sup>4</sup> (if known)				
RDY	EY		WO 91/05528	PCT	05/02/1991		
	EZ		WO 93/04727	PCT	03/18/1993		
	FA		WO 95/01814	PCT	01/19/1995		
	FB		WO 96/40347	PCT	12/19/1996		
	FC		WO 97/01374	PCT	01/16/1997		
	FD		WO 97/25011	PCT	07/17/1997		
	FE		WO 98/26831	PCT	06/25/1998		
	FF		WO 98/31312	PCT	07/23/1998		
	FI		WO 99/37226	Del Mar Technologies	07/29/1999		
	FK		WO 99/48449	Del Mar Technologies	09/30/1999		
	FM		WO 99/66970	Del Mar Technologies	12/29/1999		
	FN		WO 99/66971	Del Mar Technologies	12/29/1999		
	FO		WO 00/09054	Alsus, Inc	02/24/2000		
	FP		WO 00/10494	Radiant Medical, Inc.	03/02/2000		
	FQ		WO 00/38601	Alsus Corporation	12/23/1999		
	FR		WO 00/47145	Alsus, Inc.	02/02/2000		
	FS		WO 00/48670		08/24/2000		
	FT		WO 00/51534		09/08/2000		
	FU		WO 00/53135		09/14/2000		
✓	FV		WO 00/57823		10/05/2000		

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OTHER PRIOR ART—NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
RW	FS	Ambrus; <i>The Biphasic Nature and Temperature Dependence of the Activation of Human Plasminogen by Urokinase</i> ; 05/1979; pp. 339-347; Research Communications in Chemical Pathology and Pharmacology, Vol. 24, No. 2.	
	FT	Bigelo; <i>Hypothermia, Its Possible Role in Cardiac Surgery</i> ; 11/1959; pp. 849-866; Annals of Surgery, Vol. 132, No. 5.	
	FU	Cheatle; <i>Cryostripping the Long and Short Saphenous Veins</i> ; 01/1993; one page; Br. J. Surg., Vol. 80.	
	FV	Dexter; <i>Blood Warms as It Blows Retrograde from a Femoral Cannulation Site to the Carotid Artery During Cardiopulmonary Bypass</i> ; 11/1994; pp. 393-397; Perfusion, Vol. 9, No. 6.	
	FW	Gillinov; <i>Superior Cerebral Protection with Profound Hypothermia During Circulatory Arrest</i> ; 11/1992; pp.1432-1439; Ann. Thorac. Surg., Vol. 55.	
	FX	Higazi; <i>The Effect of Ultrasonic Irradiation and Temperature on Fibrinolytic Activity in Vitro</i> ; 08/1992; p. 251-253; Thrombosis Research, Vol. 69, No. 2.	
	FY	Imamaki; <i>Retrograde Cerebral Perfusion with Hypothermic Blood Provides Efficient Protection of the Brain</i> ; 07/1995; pp. 325-333; Journal of Cardiac Surgery, Vol. 10, No. 4, Part 1.	
	FZ	Jolin; <i>Management of a Giant Intracranial Aneurysm Using Surface-Heparinized Extracorporeal Circulation and Controlled Deep Hypothermic Low Flow Perfusion</i> ; 08/1992; pp. 756-760; Acta Anaesthesiologica Scandinavica.	
	GA	Jos R.C. Jansen, Ph.D., et al. (1997) <i>Near Continuous Cardiac Output b Thermolulution</i> . Journal of Clinical Monitoring 13:233-239.	
	GB	Kimoto; <i>Open Heart Surgery under Direct Vision with the Aid of Brain-Cooling by Irrigation</i> ; 07/1955; pp.592-603; Surgery, vol. 39, No. 4.	
✓	GC	Marekovic, Z.; <i>Abstract of Renal Hypothermia in Situ by Venous Passages: Experimental Work on Dogs</i> ; 1980; Eur Urol 6(2); 1 page.	

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RW	GD	Meden; <i>Effect of Hypothermia and Delayed Thrombolysis in a Rat Embolic Stroke Model</i> ; 12/1993; pp. 91-98; Acta Neurologica Scandinavica.		
	GE	Meden; <i>The Influence of Body Temperature on Infarct Volume and Thrombolytic Therapy in a Rat Embolic Stroke Model</i> ; 02/1994; pp. 131-138; Brain Research, Vol. 647.		
	GF	Milleret, Rene; <i>La cryo-chirurgie danes les varices des mimbres inferieurs</i> ; Angiologie; Supplement au no. 110.		
	GG	Milleret; <i>Abstract of Cryosclerosis of the Saphenous Veins in Varicose Reflux in the Obese and Elderly</i> ; 10.1981; one page; Phlebologie, Vol. 34, No. 4.		
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	GI	Piepgas; <i>Rapid Active Internal Core Cooling for Induction of Moderate Hypothermia in Head Injury by Use of an Extracorporeal Heat Exchanger</i> ; 02/1998; pp. 311-318; Neurosurgery, Vol. 42, No. 2.		
	GK	Rijken; <i>Plasminogen Activation at Low Temperatures in Plasma Samples Containing Therapeutic Concentrations of Tissue-Type Plasminogen Activator or Other Thrombolytic Agents</i> ; 10/1989; pp.47-52; place of publication unknown.		
	GL	Schwartz, A.E. et al.; (1996); <i>Isolated cerebral hypothermia by single carotid artery perfusion of extracorporeally cooled blood in baboons</i> ; Neurosurgery 39(3):577-582.		
	GM	Schwartz; <i>Cerebral Blood Flow during Low-flow Hypothermic Cardiopulmonary Bypass in Baboons</i> ; 06/1994; pp. 959-964; Anesthesiology, Vol. 81, No.4.		
	GN	Schwartz; <i>Selective Cerebral Hypothermia by Means of Transfemoral Internal Carotid Artery Catheterization</i> ; 05/1996; pp.571-572; Radiology, Vol. 201, No. 2.		

Examiner Signature	Roy D. Gibson	Date Considered	2/16/05
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			First Named Inventor	Randell Werneth	
			Group Art Unit	3739	
			Examiner Name	Not Yet Known	
Sheet	8	of	19	Attorney Docket Number	039003

OTHER PRIOR ART—NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
RDJ	GO	Steen; <i>The Detrimental Effects of Prolonged Hypothermia and Rewarming in the Dog</i> ; 08/1979 ;pp. 224-230; Anesthesiology, Vol. 52, No. 3.	
	GP	Vandam; <i>Hypothermia</i> ; 09/1959; pp.546-553; The New England Journal of Medicine.	
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Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publications of Cited document MM-DD-YYYY	Pages, Column, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
RDJ		RE 33,911		Samson et al.	05/1992	
		3,125,096		Antiles et al.	07/07/1961	
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		4,497,890		Helbert	02/05/1985	
Y		4,602,642		O'Hara et al.	07/29/1986	

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✓		20010032004		Werneth	10/18/2001	

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RWY		20010039440		Lasheras et al.	11/08/2001		
		20010041923		Dobak III	11/15/2001		
		20010044644		Keller et al.	11/22/2001		
		20010047191		Lasersohn et al.	11/29/2001		
		20010047192		Lasersohn et al.	11/29/2001		
		20010047196		Ginsburg et al.	11/29/2001		
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		20020002394		Dobak, III	01/03/2002		
		20020004675		Lasheras	01/10/2002		
		20020007179		Dobak, III et al.	01/17/2002		
		20020007202		Dobak, III et al.	01/17/2002		
		20020007203		Gilmartin et al.	01/17/2002		
		20020016621		Werneth et al.	02/07/2002		
		20020022823		Luo et al.	02/21/2002		
		20020026227		Phillips	02/28/2002		
		20020029016		Pham et al.	03/07/2002		
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		20020040717		Dobak III	04/11/2002		
		20020045852		Saab	04/18/2002		
		20020045892		Kramer	04/18/2002		
		20020045925		Keller et al.	04/18/2002		
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		20020068964		Dobak III	06/06/2002		
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			1,011,606		Fulton	12/12/1911	
	✓		2,148,541		Dierker	02/28/1939	

Examiner Signature	<i>Roy D. Gibson</i>	Date Considered	2/16/05
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			Filing Date	November 18, 2003	
			First Named Inventor	Randell Werneth	
			Group Art Unit	3739	
			Examiner Name	Not Yet Known	
Sheet	14	of	19	Attorney Docket Number	039003

U.S. PATENT DOCUMENTS						
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Ray		2,466,042		Reich et al.	04/05/1949	
		3,768,484		Gawura	10/30/1973	
		3,839,621		Hariu	10/01/1974	
		5,151,578		Phillips	09/29/1992	
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		5,496,311		Abele et al.	03/05/1996	
		5,800,488		Crockett	09/01/1998	
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		6,106,518		Wittenberger et al.	08/22/2000	
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		20020111584		Walker et al.	08/15/2002	
		20020120314		Evans et al.	08/29/2002	
		20020128698		Dobak, III et al.	09/12/2002	
✓		20020138122		Worthen et al.	09/26/2002	

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
RWO			AU730835	B2	Radiant Medical, Inc.	03/15/2001	
			AU734506	B2	Innercool Therapies	06/14/2001	
			AU739996	B2	Innercool Therapies	02/07/2002	
			AU743945	B2	Radiant Medical	02/07/2002	
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			EP1172932	A2	First Circle Medical	07/19/2001	
			EP1205167	A2	Alsus Corporation	05/15/2002	
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			WO 99/56812		Atrionix, Inc.	11/11/1999	
			WO 00/62837		Alsus Corporation	10/26/2000	
			WO 00/66053		Alsus Corporation	11/09/2000	
			WO 01/08580		Alsus Corporation	02/08/2001	
			WO 01/12061		Alsus Corporation	02/22/2001	
			WO 01/12122		Alsus Corporation	02/22/2001	
			WO 01/13809		Radiant Medical, Inc.	03/01/2001	
			WO 01/13837		Innercool Therapies, Inc.	03/01/2001	
			WO 01/17471		Alsus Corporation	03/15/2001	
			WO 01/19447		Alsus Corporation	03/22/2001	
			WO 01/26590		Innercool Therapies, Inc.	04/19/2001	
			WO 01/41708		Alsus Corporation	06/14/2001	
			WO 01/43661		Radiant Medical, Inc.	06/21/2001	
			WO 01/49236		Alsus Corporation	07/12/2001	
			WO 01/52781		Radiant Medical, Inc.	07/26/2001	
			WO 01/56517		Alsus Corporation	08/09/2001	
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			WO 01/64146		Radiant Medical	09/07/2001	
			WO 01/66052		Innercool Therapies	09/13/2001	
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			WO 01/87379		Innercool Therapies	11/22/2001	
			WO 01/95840		Innercool Therapies	12/20/2001	

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RJY			WO 02/07793		Radiant Medical, Inc.	01/31/2002	
			WO 02/26175		Alsus Corporation	04/04/2002	
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			WO 02/43577		Alsus Corporation	06/06/2002	
			WO 02/47742		Alsus Corporation	06/20/2002	
			WO 02/47577		Alsus Corporation	06/20/2002	
			WO 02/055129		Innercool Therapies	07/18/2002	
▼			EP1029520 B1		Alsus Corporation	04/06/1999	

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RJY		Alfonsi, P., D. I. Sessler, B. Du Manoir, J-C. Levron, J-P. Le Moing, M. Chauvin, <i>The Effects of Meperidine and Sufentanil on the Shivering Threshold in Postoperative Patients</i> , <i>Anesthesiology</i> , July 1998, 89(1):43–48.	
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RW		Cabanac, M.; <i>Selective Brain Cooling in Humans: fancy or fact?</i> ; The FASEB Journal; Volume 7; pp. 1143-1147 (September 1993)	
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RDS		Haley, E. C. et al. "A Randomized Trial of Tirilazad Mesylate in Patients with Acute Stroke (RANTAS)," <i>Stroke</i> , 27(9):1453-1458, 1996.	
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		Olshausen et al. "An isothermal flowmeter with improved frequency response for measuring tissue blood flow," <i>Pflügers Arch.</i> 367:97-102, 1976.	

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			Filing Date	November 18, 2003	
			First Named Inventor	Randell Wemeth	
			Group Art Unit	3739	
			Examiner Name	Not Yet Known	
Sheet	19	of	19	Attorney Docket Number	039003

OTHER PRIOR ART—NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
Roy		Pais, S. O., K. D. Tobin, C. B. Austin, and L. Queral, <i>Percutaneous Insertion of the Greenfield Inferior Vena Cava Filter: Experience with Ninety-Six Patients</i> , 10/1988, pp. 460–464, Journ. of Vascular Surg., Vol. 8, N. 4.	
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Examiner Signature	Roy D. Gibson	Date Considered	2/16/05
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